



FIG. 1

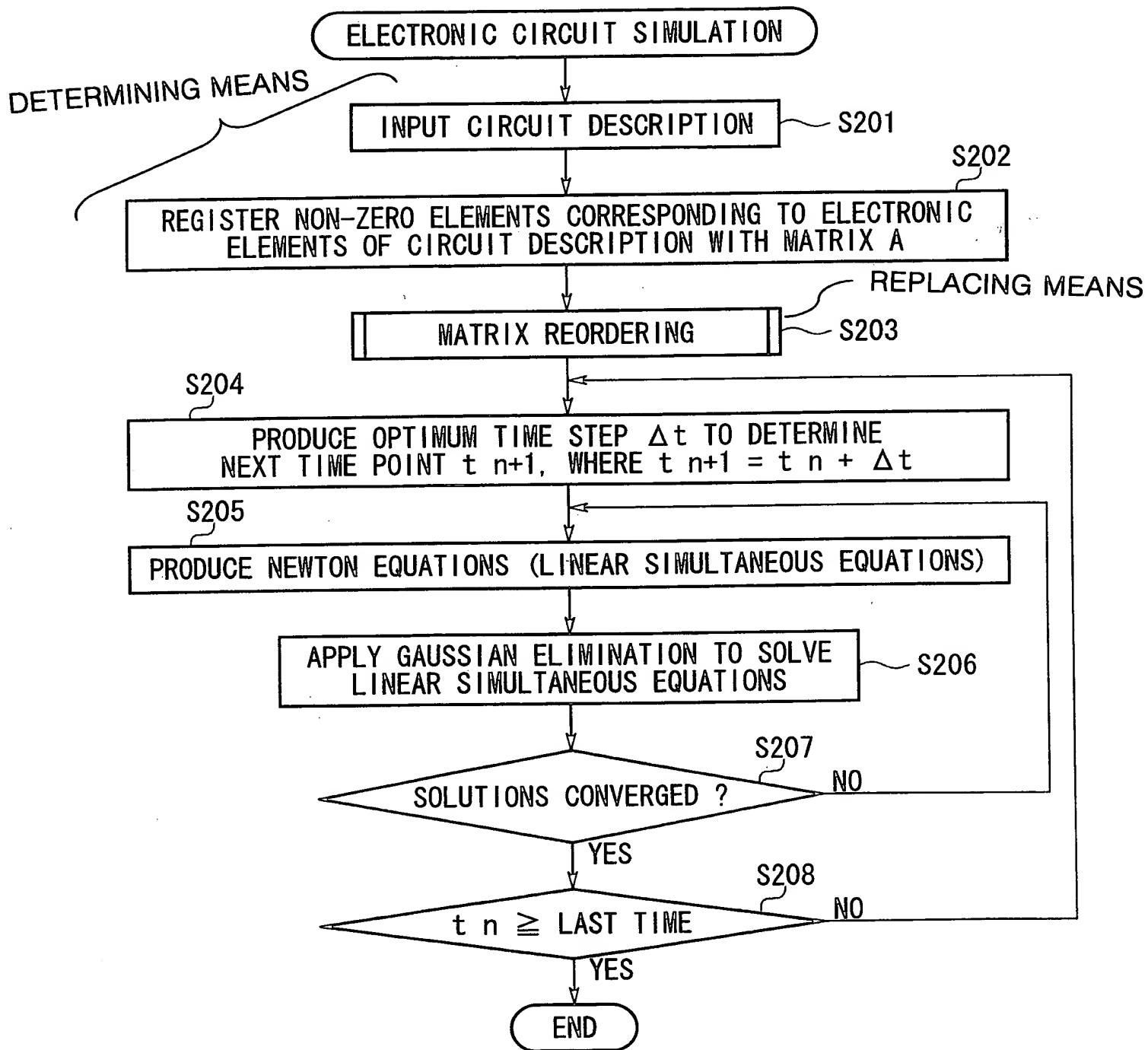




FIG. 2

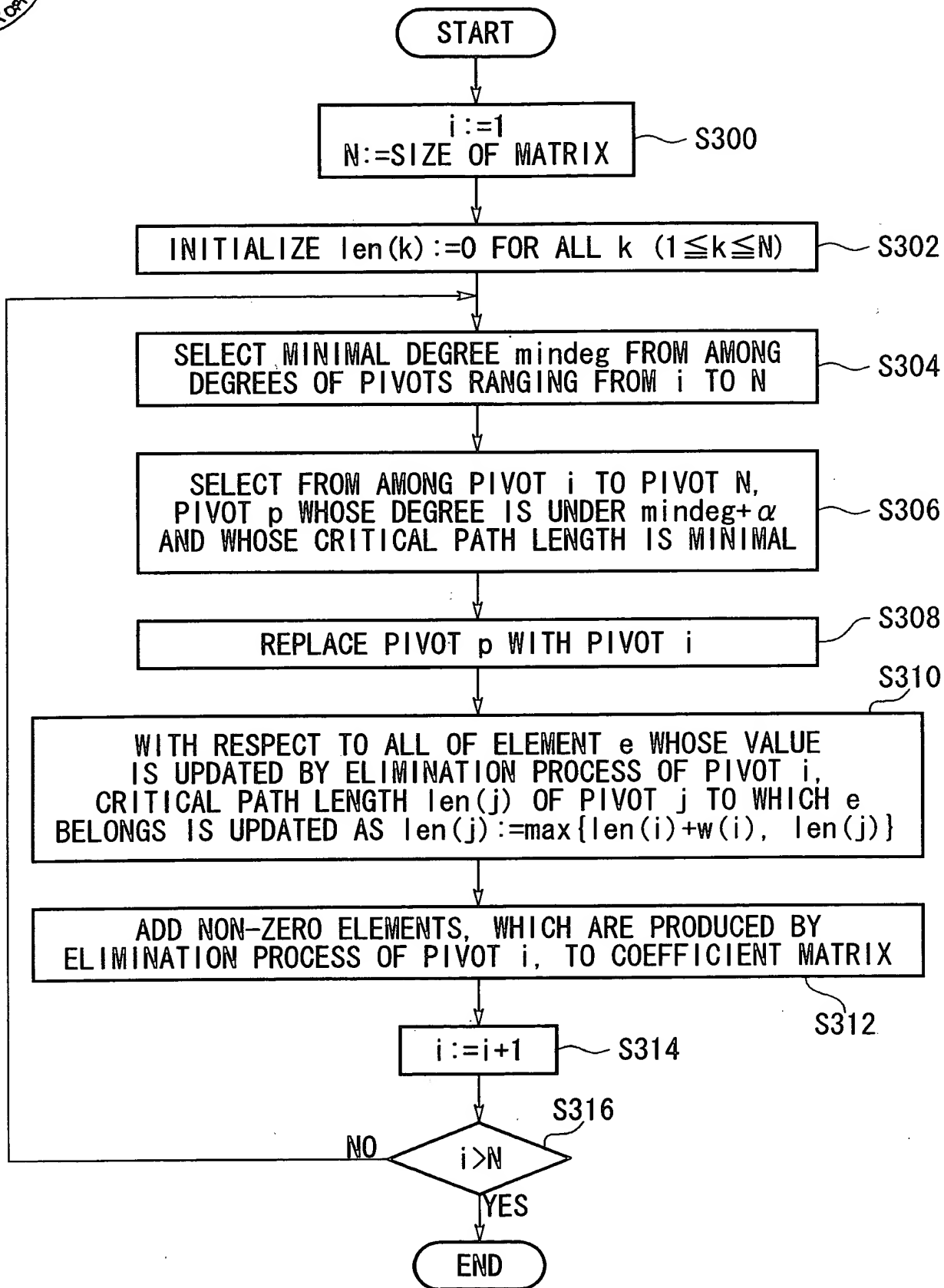




FIG. 3

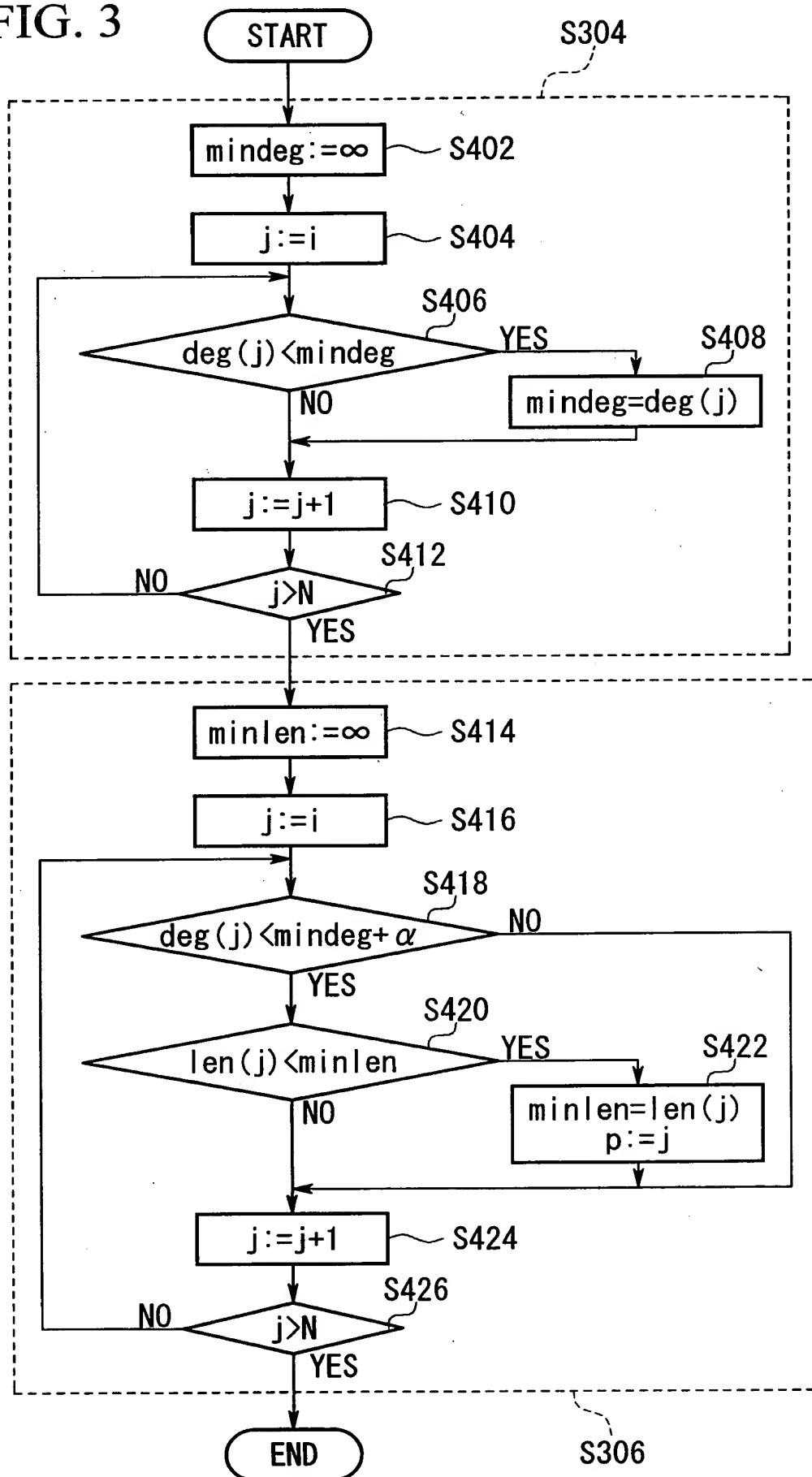




FIG. 4

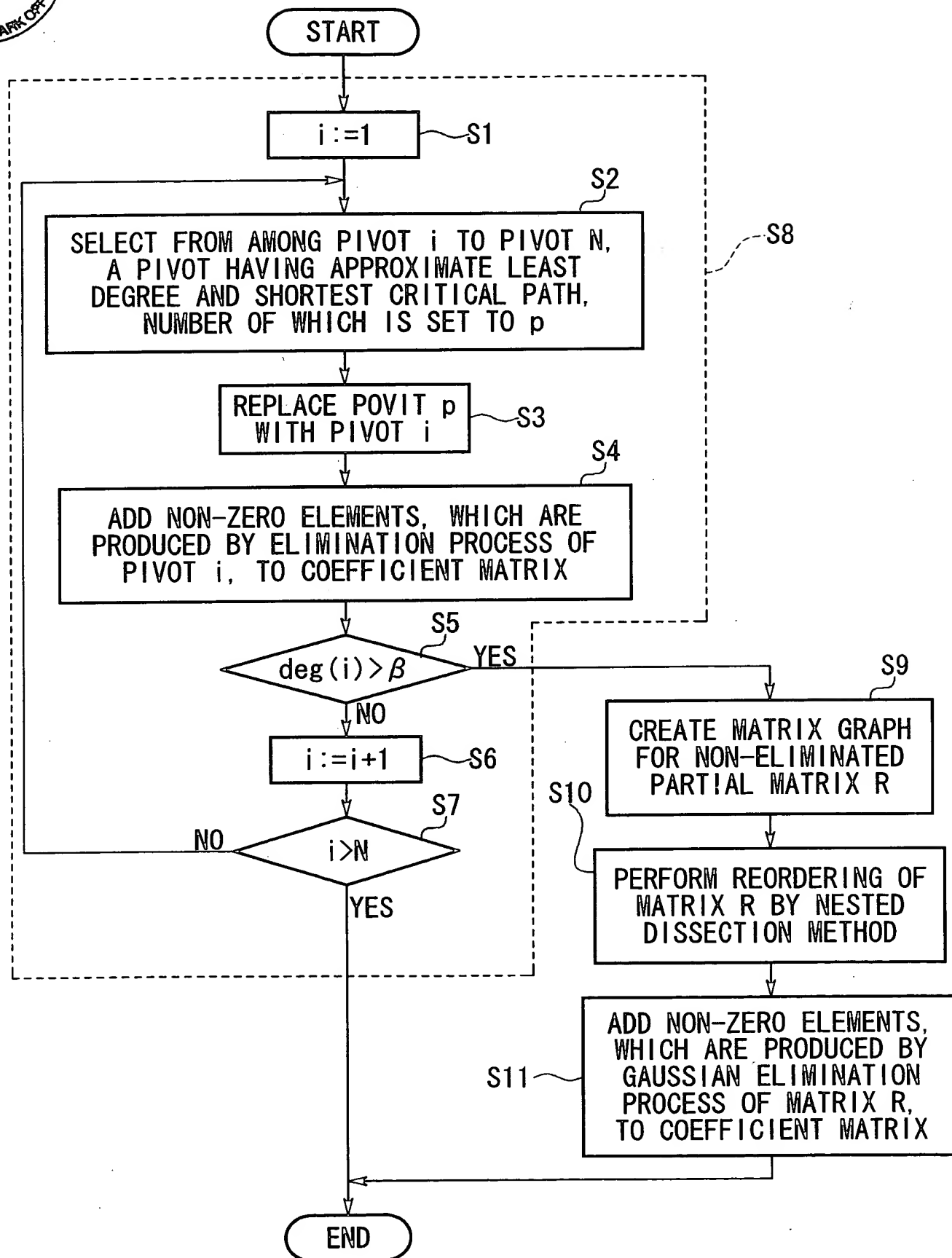




FIG. 5

```

for k=1:n-1
    for i=k+1:n
        if a(i,k) <> 0 then
            a(i,k) = a(i,k) / a(k,k)
            for j=k+1:n
                if a(k,j) <> 0 then
                    a(i,j) = a(i,j) - a(i,k) a(k,j)
                end
            end
        end
    end
end
end

```

Annotations for FIG. 5:

- ELIMINATE k-th UNKNOWN (points to the outer loop for k=1:n-1)
- DIVISION (points to the line $a(i,k) = a(i,k) / a(k,k)$)
- MULTIPLICATION (points to the line $a(i,j) = a(i,j) - a(i,k) a(k,j)$)

FIG. 6

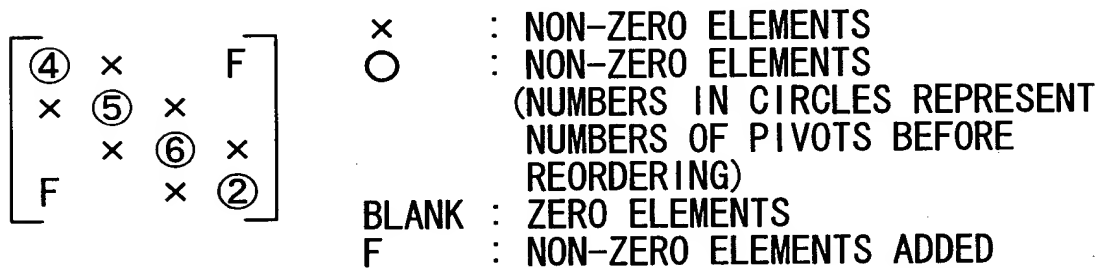


FIG. 7

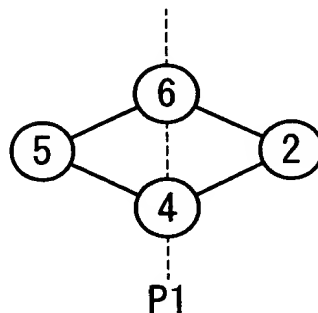




FIG. 8

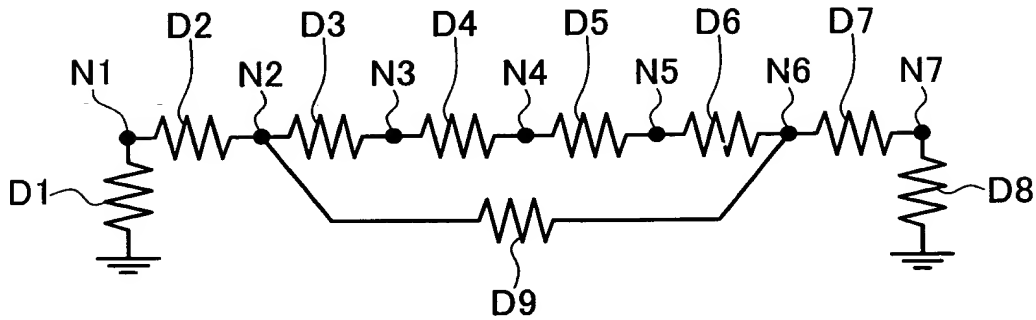
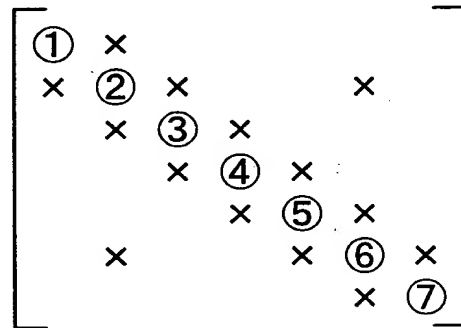


FIG. 9



× : NON-ZERO ELEMENTS
○ : NON-ZERO ELEMENTS
(NUMBERS IN CIRCLES REPRESENT
NUMBERS OF PIVOTS BEFORE
REORDERING)
BLANK : ZERO ELEMENTS



FIG. 10

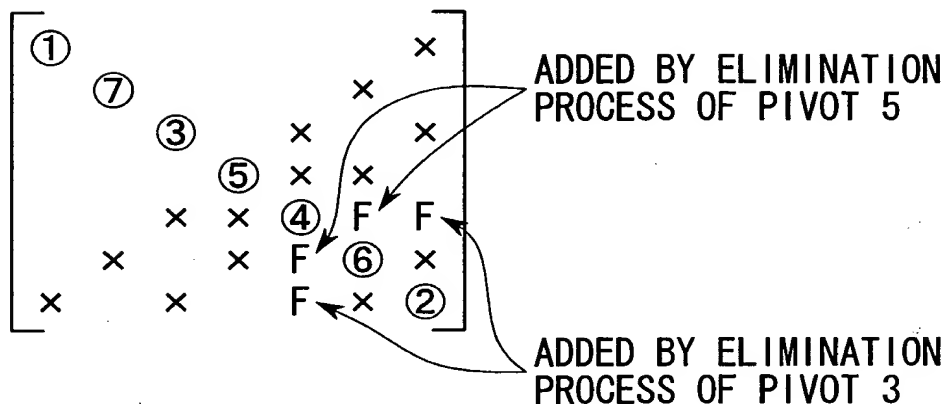


FIG. 11

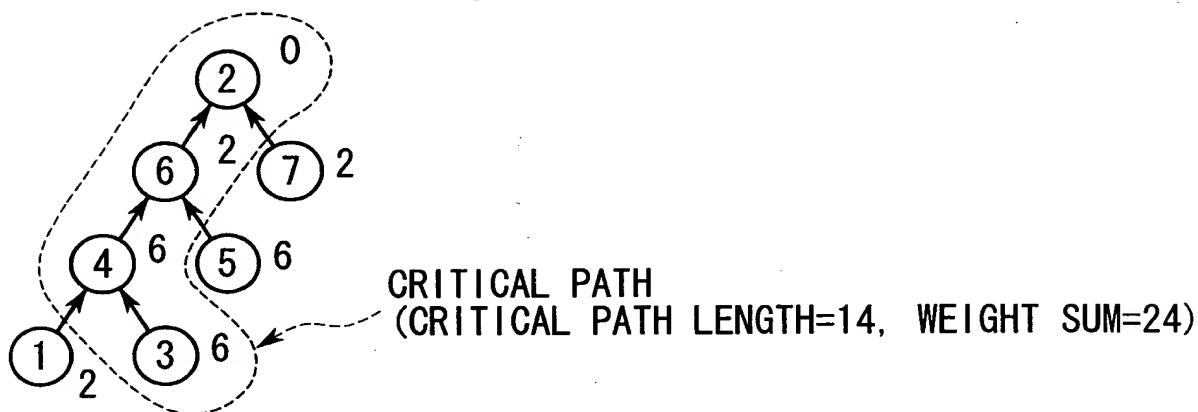


FIG. 12

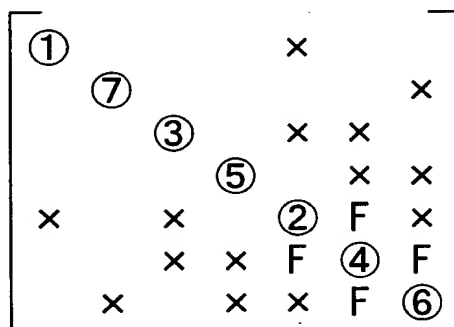




FIG. 13

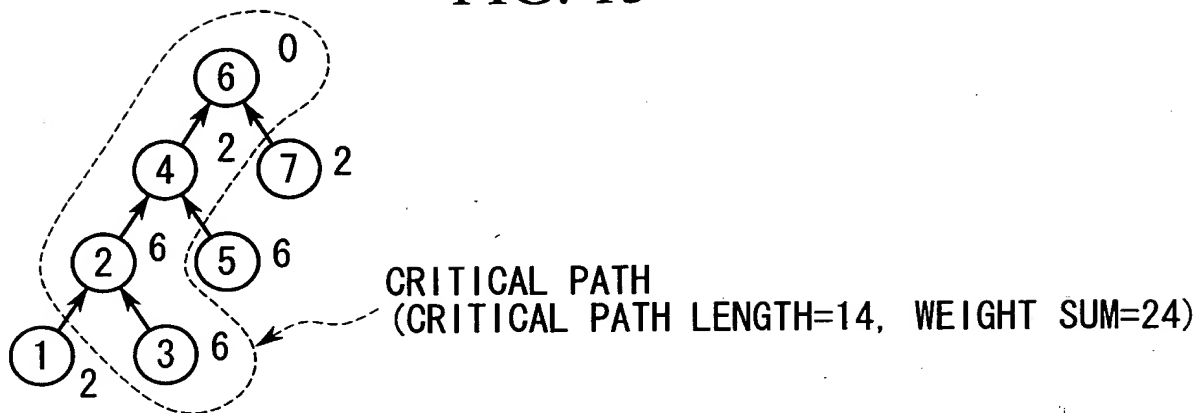
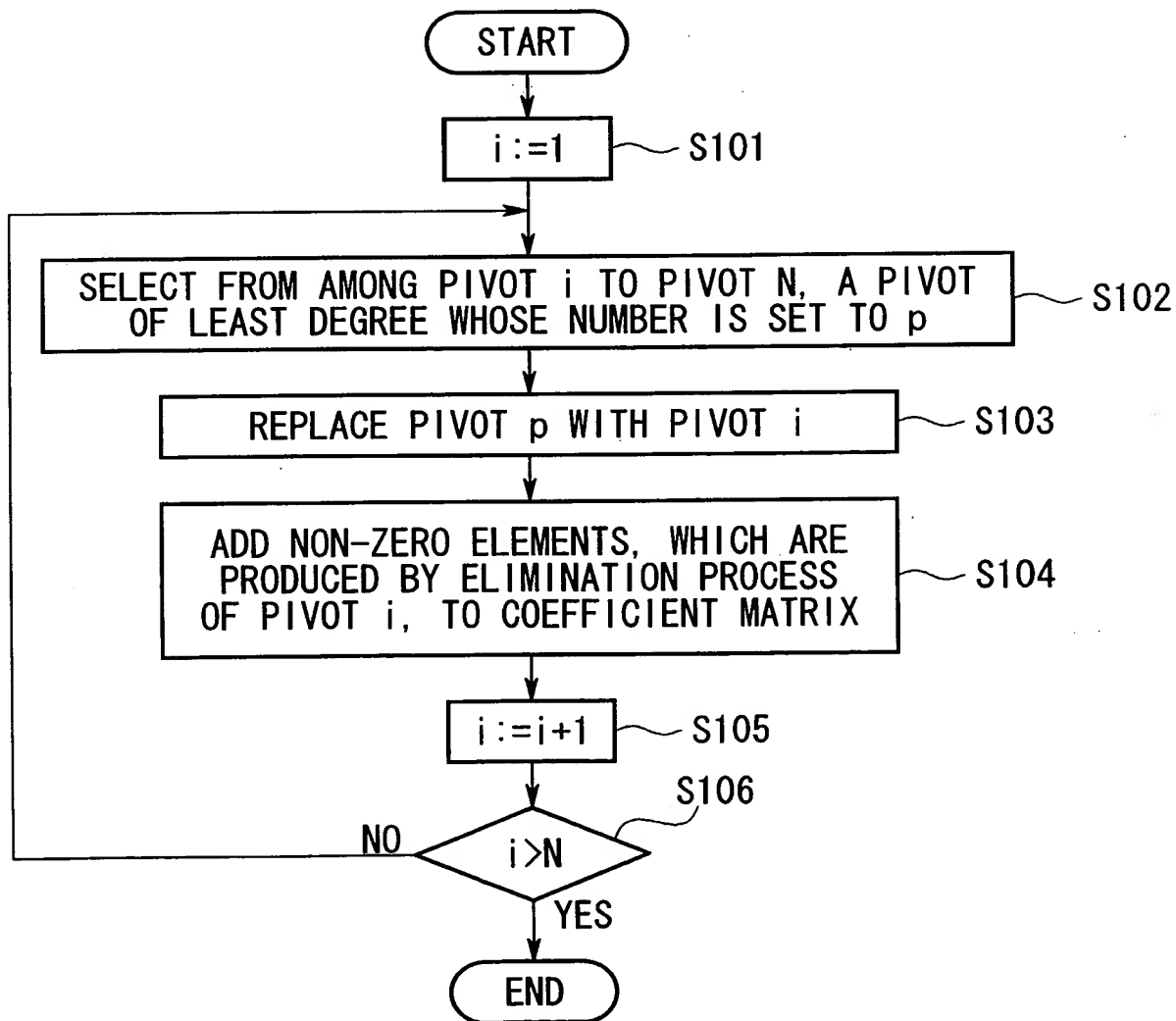


FIG. 14



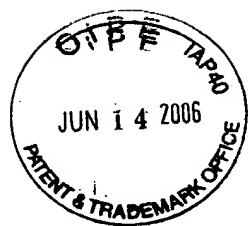


FIG. 15

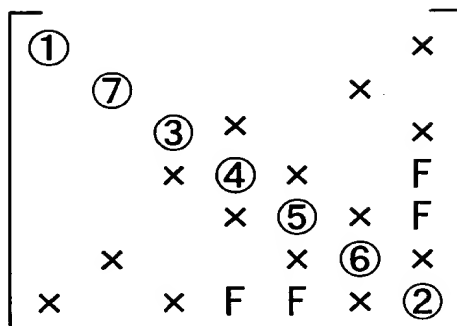


FIG. 16

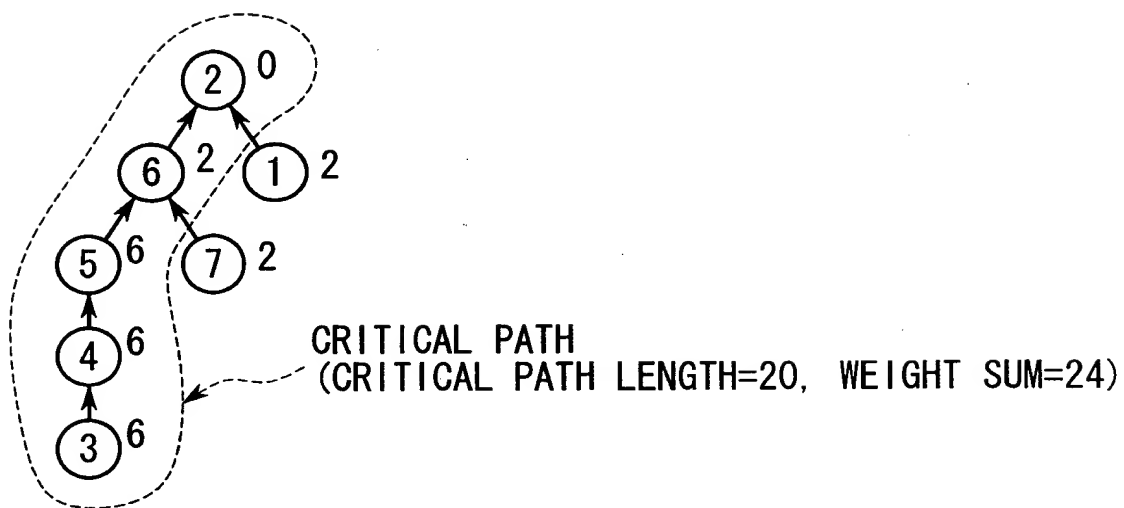


FIG. 17

